

ABSTRACT

SECURING PLUGS IN OVER-SIZED HOLES

5
10
15
20
25
30
35

5
10
15
20
25
30
35

FOI b3

A method of securing a screw-receiving plug (16) in an over-sized preformed hole (20) comprises the steps of: (a) providing at least one piece of a loosely-woven fabric (26,30) carrying consolidated thereon a quick-setting filler material (28), which fabric piece (26,30) is sized to envelop at least circuferentially the plug (16) intended to be used; (b) enveloping the plug (16) circuferentially in the fabric piece (26,30); (c) activating the filler material (28); and (d) inserting the enveloped plug (16,26,28) in the hole (20) in a manner such as to ensure filling of the hole (20) with the enveloped plug (16,26,28). In one embodiment the filler material (28) is water-activated, e.g. a quick-setting material made from gypsum, preferably plaster of Paris; whilst in a second embodiment the filler material is air-activated, e.g. a polyurethane resin. The method enables a screw (14) to be screwed home in the plug (16) after elapse of a short filler-hardening time. The fabric piece (26) may comprise a tape (38) for winding on the plug (16) circumferentially; or it may be circular in shape, and be placed over the closed end of the plug (16) and then smoothed longitudinally along the plug (16).

Refers Figures 1 & 6.